Index of Claims

| Application/Control N | Ο. |  |
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09/938,155

Examiner

ALI NEYZARI

Applicant(s)/Patent under Reexamination

COFFIN ET AL.

2656

| √  | Rejected |
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| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date     |          |   |   | Date           |             |  |          | Date |  |          |          | Date                          |          |               |        |                 | Date          |       |              |              |             | Date           |          |                |          |          | Date   |           |          |  |  | Cla | aim |  |  |  | Date | • |  |  |  | Claim | П |  |  | D | ate | , |  |  |  |
|----------|----------|----------|----------|---|---|----------------|-------------|--|----------|------|--|----------|----------|-------------------------------|----------|---------------|--------|-----------------|---------------|-------|--------------|--------------|-------------|----------------|----------|----------------|----------|----------|--|-----------|----------|--|--|-----|-----|--|--|--|------|---|--|--|--|-------|---|--|--|---|-----|---|--|--|--|
|          |          |          | $\Box$   |   |   |                |             |  |          |      |  |          |          |                               | Т        | T             | T      |                 | Ė             |       |              |              |             |                | Т        | $\exists$      |          |          | $\neg$   | П         |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u>~</u> | na       | 1/19/06  |          |   |   |                |             |  |          |      |  | <u></u>  | na       |                               | ı        |               | į .    |                 |               |       | -            | :   E        | ĺ           |                |          |                | - 1      |          |  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| Final    | igi      | 19/      |          |   |   |                |             |  |          |      |  | Final    | į        | 1                             |          |               |        |                 |               |       | ü            | . j <u>ē</u> |             |                |          |                | - 1      |          |  |           | 1        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| ш.       | Original | 1        |          |   |   |                |             |  | li       |      |  | ۳.       | Original |                               | -        |               |        |                 |               |       | "            | Original     |             |                |          |                |          |          |  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u> </u> |          |          | 4        | _ |   | _              |             | _  | Щ        |      |  |          |          | $\vdash$                      | +        | _             | ₩      | -               |               |       | ⊢            |              | -           | $\vdash$       | $\dashv$ | $\dashv$       | $\dashv$ |          | $\dashv$   | $\dashv$  | _        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 1_       | 1_       | =        | _        | _ |   | $\Box$         |             | $\sqcup$   |          |      |  |          | 51       |                               |          |               | 4—     | _               | +             |       | ⊢            | 101          | ₽-          | <del>   </del> |          |                |          |          | -  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 2        | 2        | =        | _        |   |   | $\Box$         |             |  |          |      |  |          | 52       | $\sqcup$                      | 4        |               | ↓      |                 |               | !!!!  | <u> </u>     | 102          |             | $oxed{oxed}$   | _        | _              | _        |          | _  | $\dashv$  |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 3        | 3        | =        |          |   |   |                |             |  |          |      |  |          | 53       | $oxed{oxed}$                  |          |               | 1      |                 | $\perp$       |       | $oxed{oxed}$ | 103          | <u> </u>    | $\sqcup$       | _        | _              | _        |          |  | _         |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 4        | 4        | =        |          |   |   |                |             |  |          |      |  |          | 54       |                               | ┙        |               |        |                 |               | _     | L            | 104          | <u> </u>    |                | _        | _              | _        |          | $\rightarrow$  | _         |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 5        | 5        | =        |          |   |   |                |             |  |          |      |  |          | 55       |                               |          |               |        |                 |               |       | 匚            | 105          | <u> </u>    |                | _        | _              |          |          |  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 6        | 6        | =        |          |   |   |                |             |  |          |      |  |          | 56       |                               |          |               |        |                 |               |       |              | 106          | <u> </u>    |                |          |                |          |          |  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 7        | 7        | Ħ        |          |   |   |                |             |  |          |      |  |          | 57       |                               |          |               |        |                 |               |       |              | 107          |             |                |          |                |          |          |  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 8        | 8        | =        |          |   |   |                |             |  |          |      |  | Ĺ        | 58       |                               |          |               |        |                 |               |       |              | 108          | <u>L.</u> . |                |          |                |          |          |  | $\perp$   |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 9        | 9        | ı        |          |   |   |                |             |  |          |      |  |          | 59       |                               |          |               |        |                 |               |       |              | 109          |             |                |          |                |          |          | $\Box$   | $\Box$    |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 10       | 10       | =        |          |   |   |                |             |  |          |      |  |          | 60       |                               |          |               |        |                 |               |       |              | 110          |             |                |          |                |          |          |  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 11       | 11       | =        |          |   |   |                |             |  |          |      |  |          | 61       |                               |          |               |        |                 | $\sqcap$      |       |              | 111          |             |                | П        |                |          |          |  | $\Box$    |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 12       | 12       | =        |          |   |   |                |             |  |          |      |  |          | 62       |                               |          | 1             |        |                 |               | 7     | Г            | 112          |             |                | T        | $\neg$         |          | $\neg$   | 丁  | $\neg$    | $\neg$   |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 13       | 13       | =        | $\Box$   |   |   |                |             |  |          |      |  |          | 63       |                               |          | $\neg \vdash$ | T      |                 | $\neg \neg$   | 7     |              | 113          |             |                | T        | $\neg$         |          |          | $\exists$  | $\exists$ | $\neg$   |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| 14       | 14       | =        |          |   |   | П              |             |  |          |      |  |          | 64       |                               | $\top$   | $\top$        | 1      |                 | $\dashv$      |       |              | 114          | Т           | -              | 7        |                |          | $\neg$   | $\dashv$   | $\neg$    | $\neg$   |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 15       |          |          | _ |   |                | _           |  |          |      |  |          | 65       |                               | $\top$   |               |        |                 | $\dashv$      |       |              | 115          | 1           |                | ┪        | 寸              |          | 一        | $\dashv$   | $\dashv$  | ヿ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 16       |          | $\Box$   |   |   | H              |             |  | П        |      |  | ·        | 66       |                               | 十        | 7             | $\top$ |                 | $\dashv$      |       |              | 116          |             |                | 7        | 寸              |          | $\neg$   | $\dashv$   | $\dashv$  | ヿ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 17       |          | $\vdash$ |   |   | H              |             |  |          |      |  |          | 67       | $\vdash$                      | $\dashv$ | $\dashv$      | 1      |                 | _             | -     | <b> </b>     | 117          | +           | - -            | 7        | 寸              |          | _        | $\dashv$   | $\dashv$  | 一        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 18       | -        |          | _ | - |                |             |  |          |      |  |          | 68       |                               | $\top$   | 1             | 1      |                 | $\dashv$      |       | -            | 118          | ╁           |                | -        | $\dashv$       | _        | $\neg$   | $\neg$   | $\neg$    | $\neg$   |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <b>-</b> | 19       |          |          |   |   |                |             | -  |          |      |  |          | 69       | $\vdash$                      | +        |               | +      |                 | +             |       |              | 119          | +           | <del>   </del> | -        | -+             |          | ᆉ        | $\dashv$   | +         | ᅱ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| -        | 20       |          |          |   |   | -              | -           | -  | -        |      |  | <u> </u> | 70       | -                             | +        | -             | +      | +               | +             |       | $\vdash$     | 120          | +           | <del>   </del> | $\dashv$ | $\dashv$       | -        | -        |  | -         | ᅱ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u> </u> | 21       | -        | -        |   |   | -              | -           |  |          |      |  |          | 71       |                               | +        | +             | ╁      |                 | +             |       | -            | 121          | +-          | $\vdash$       | -        | ╅              | -        |          | -+   | -         | -        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u> </u> | 22       | ┝        |          |   |   |                | _           |  | H        | _    |  | <u> </u> | 72       | $\vdash$                      | +        | -             | 1      | +               | +             |       | -            | 122          | +           | $\vdash$       | $\dashv$ | $\dashv$       | -        | -        | -+   | $\dashv$  | $\dashv$ |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u> </u> | 23       | -        |          |   | _ | -              | _           |  | -        |      |  |          | 73       | -                             | +        | -             | ╁      | +               | +             |       |              | 123          | +           | $\vdash$       | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$  | ᅱ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 24       | -        |          |   |   | -              |             |  |          |      |  | <b></b>  | 74       |                               | +        | +             | ╁      | -+              | +             |       |              | 123          | +           | $\vdash$       | $\dashv$ | <del>-</del>   | -        | $\dashv$ | $\dashv$   | $\dashv$  | ᅱ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          |          |          |          | - |   | -              |             | -  | H        |      |  | ļ        | 75       |                               | +        | +             | ╁      | -               | +             |       | -            |              | +           | ┝              | +        | <del>-  </del> |          |          | $\dashv$   | $\dashv$  | $\dashv$ |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <b> </b> | 25       |          |          |   | _ | -              | _           |  | _        | _    |  |          |          |                               | -        |               | ┼      |                 | $\dashv$      |       |              | 125          | +           | $\vdash$       | $\dashv$ | $\dashv$       | _        | -        | $\dashv$   | $\dashv$  | $\dashv$ |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u> </u> | 26       | <u> </u> |          | _ |   | -              | _           |  |          |      |  |          | 76       | -                             | +        |               | ┼      |                 |               | :::   |              | 126          | ╂           | <del>  -</del> | -        |                |          |          |  |           | $\dashv$ |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| -        | 27       |          |          |   |   |                |             |  |          |      |  | -        | 77       | $\vdash$                      | +        |               | ╄      |                 |               |       |              | 127          | +-          | -              | -        |                |          |          | $\dashv$   | -         |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 28       |          | $\dashv$ | _ |   | -              |             |  |          |      |  | <u> </u> | 78       | $\vdash$                      | +        | -             | ┼      | -+              | +             |       | -            | 128          | +           | $\vdash$       | +        |                |          | -        | $\dashv$   | $\dashv$  | ႕        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| -        | 29       |          |          |   |   | $\dashv$       | _           | <u> </u>   | _        | _    |  | <u> </u> | 79       | <b>  -</b>                    | +        |               | ┼      |                 | +             |       |              | 129          | ╄           | $\vdash$       | $\dashv$ | _              | _        | _        | $\dashv$   | $\dashv$  | 4        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 30       | _        | _        | _ |   | $\blacksquare$ | _           | _  |          |      |  |          | 80       |                               |          |               | ــــــ |                 |               |       | _            | 130          | +           | $\vdash$       | $\dashv$ | _              |          | _        | _  | _         | 4        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u> </u> | 31       |          | $\Box$   | _ |   |                |             |  |          |      |  |          | 81       |                               | 4        |               | ↓_     |                 | -             | _     |              | 131          | ↓           |                | 4        | _              |          | _        | _  | $\dashv$  | _        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 32       |          |          | _ |   |                |             |  |          |      |  |          | 82       | $\sqcup$                      | 4        | _ _           | 4_     |                 |               | _     |              | 132          |             |                |          | _              |          | _        |  | _         | _        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 33       | L_       |          |   |   |                |             |  | Ш        |      |  |          | 83       | $\sqcup \!\!\! \perp$         | $\perp$  | 4             | _      |                 | 44            | _     | L.           | 133          | ╄-          | _              | _        | _              |          |          | _  | _         | _        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| <u></u>  | 34       |          | $\Box$   | _ |   | Щ              | Ш           |  | Ш        |      |  |          | 84       | $\sqcup \!\!\! \perp$         | _        |               | _      |                 | $\perp \perp$ | _ ::: | <u> </u>     | 134          | 4_          | $\sqcup$       | 4        | _              |          | _        |  | _         | _        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 35       | _        | Ш        |   | Ш |                |             | Щ  | Ш        |      |  |          | 85       | $\sqcup \!\!\! \perp$         | _        |               | _      | $\sqcup$        | 1-1           | _     |              | 135          | 4_          |                | _        | _              |          | _        | _  | $\dashv$  | _        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 36       |          | $\Box$   |   |   |                |             |  |          |      |  |          | 86       | $\sqcup \! \! \! \! \! \perp$ | 4        |               | _      |                 | $\perp$       | _ ::: |              | 136          | _           |                | $\perp$  |                |          | _        | $\dashv$   | $\dashv$  |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 37       | <u> </u> |          |   |   |                |             |  | Ш        |      |  |          | 87       | $\sqcup \bot$                 |          |               |        |                 | $\perp$       | _ ::: | L.           | 137          |             | oxdot          | $\perp$  |                |          |          | $\perp$  |           | ]        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 38       |          |          |   |   |                |             |  | Ш        |      |  |          | 88       | $\sqcup \! \! \perp$          | $\perp$  | $\perp$       |        |                 | $\perp$       |       | L_           | 138          |             | Ш              | $\perp$  | $\perp$        |          |          | $\perp$  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 39       | L        |          |   |   |                |             |  | Щ        |      |  |          | 89       | $\sqcup \bot$                 | $\perp$  |               |        |                 |               |       | L            | 139          | <u> </u>    | $\Box$         |          |                |          |          | $\perp$  |           | ]        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 40       |          |          | l |   |                |             | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          |      |  |          | 90       | $\Box$                        |          |               |        |                 |               |       | L            | 140          |             |                |          |                |          | [        |  | $\Box$    |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 41       |          |          |   |   |                |             |  |          |      |  |          | 91       | $\Box \Box$                   |          |               |        |                 |               |       |              | 141          |             | $\Box$         | floor    |                |          |          | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}}}$ | $\Box$    |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 42       |          |          |   |   |                |             |  |          |      |  |          | 92       |                               |          |               |        |                 |               |       |              | 142          |             |                | J        | $\Box$         |          |          | $\Box$   | $\Box$    |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 43       |          |          |   |   |                |             |  |          |      |  |          | 93       |                               |          |               |        |                 |               |       |              | 143          |             |                |          |                |          |          |  |           |          |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 44       |          |          |   |   |                |             |  |          |      |  |          | 94       |                               | _[       |               |        |                 |               |       |              | 144          |             |                | Ţ        |                |          |          | T  |           | $\Box$   |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 45       |          | $\Box$   |   |   |                |             |  |          |      |  |          | 95       |                               | ╗        | $\neg$        |        |                 |               |       |              | 145          | Т           | П              | 7        |                |          | ヿ        | $\neg$   | $\neg$    | コ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 46       |          | $\Box$   |   |   |                |             | П  |          |      |  |          | 96       |                               | ┪        |               | Î      |                 | $\neg$        |       |              | 146          | 1           | $\sqcap$       | T        | 寸              |          |          | $\dashv$   | $\neg$    | ᅱ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 47       |          |          |   |   |                | $\neg \neg$ | П  | М        |      |  |          | 97       | $\Box$                        | 1        |               |        | $\dashv$        | 11            |       |              | 147          |             |                | 7        | $\dashv$       |          | $\dashv$ | $\dashv$   | $\neg$    | $\neg$   |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 48       |          | $\neg$   |   |   |                | П           | $\Box$   | Н        |      |  |          | 98       |                               | $\top$   | 1             | 1      | $\neg \uparrow$ | $\top$        | 7     | $\vdash$     | 148          | T           | $\Box$         | 7        | T              |          | $\neg$   | 十  | ヿ         | ᅱ        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 49       |          | -        |   |   |                | $\vdash$    | М  | $\vdash$ |      |  |          | 99       | $\vdash$                      | 十        |               | t      | -               | ++            |       | Н            | 149          |             | $\sqcap$       | $\dashv$ | T              |          |          | 十  | 7         | $\dashv$ |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
|          | 50       | _        | $\neg$   | 一 |   |                |             | М  | $\neg$   | П    |  |          | 100      |                               | $\dashv$ |               | +      | $\top$          | $\dashv$      |       |              | 150          | t           |                | $\dashv$ |                |          | T        | $\dashv$   | $\neg$    | 一        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |
| -        |          |          |          |   |   | -              |             | -  | -        |      |  |          | <u> </u> | <del></del>                   |          |               |        |                 |               |       | _            | 1            |             |                |          |                |          |          |  |           | _        |  |  |     |     |  |  |  |      |   |  |  |  |       |   |  |  |   |     |   |  |  |  |